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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE	<i>Application Number</i>	09/225,245
	<i>Filing Date</i>	January 4, 1999
	<i>First Named Inventor</i>	Naohito TOMOE
	<i>Group Art Unit</i>	2685
	<i>Examiner Name</i>	Quochien B. Vuong
	<i>Attorney Docket Number</i>	1137-761
<i>Title of the Invention: DEVICE FOR AND METHOD OF DETECTING INTERFERENCE WAVES</i>		

RESPONSE TO OFFICE ACTION

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

In response to the first Office action mailed June 3, 2004, a two-month extension of time being requested until November 3, 2004, the following remarks are respectfully submitted.

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ROTHWELL, FIGG, ERNST & MANBECK

1425 K Street, N.W.
Suite 800
Washington, D.C. 20005

Telephone: (202)783-6040
Facsimile: (202)783-6031

FACSIMILE TRANSMITTAL SHEET

DATE: 3 November 2004

TO: Examiner Quochien B. Vuong
Tech Center 2685

FAX NO: 703-872-9306

FROM: Vincent M. DeLuca

RE: Serial No. 09/225,245
Filed: January 4, 1999
Inventor: Alan B. COLLISON et al.
Our Ref: 2994-103

THIS MESSAGE IS INTENDED FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT OR THE EMPLOYEE OR AGENCY RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICES. THANK YOU.

Number of Pages Including This Transmittal Sheet: 7

MESSAGE, IF ANY:

Response to Office action filed herewith.

FEE TRANSMITTAL for FY 2005 (Large Entity)		Complete if Known		
		Application Number	09/225,245	
		Filing Date	January 4, 1999	
		First Named Inventor	Naohito TOMOE	
		Group Art Unit	2685	
		Examiner Name	Quochien Vuong	
		Attorney Docket Number	1137-761	
Customer No.		06449		
Total Amount of Payment	(\$)	1345.00	Confirmation No.	2691

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck

Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status

2. Payment Enclosed

- Check
- Credit Card

FEES CALCULATION**1. FILING FEE**

Fee	Fee	Fee Description	Fee Paid
Code	\$		
1001	770	Utility Filing Fee	[]
1002	340	Design Filing Fee	[]
1003	530	Plant Filing Fee	[]
1004	770	Reissue Filing Fee	[]
1005	160	Provisional Filing Fee	[]

SUBTOTAL

\$

2. CLAIMS

Total Claims	Independent	Extra Claims	Fee	Fee Paid
[]	- 20**	= []	x	\$18 = []
Claims	[]	- 3**	= []	x 86 = []
Multiple Dependent Claims	[]	+	290 = []	

*or number previously paid, if greater.

SUBTOTAL

\$

FEES CALCULATION (continued)**3. ADDITIONAL FEES**

Fee	Fee	Fee Description	Fee Paid
Code	Paid		
1051	130	Surcharge - late filing fee or oath	[]
1052	50	Surcharge - late provisional filing fee or cover sheet	[]
1053	130	Non-English specification	[]
1812	2,520	For filing a request for reexamination	[]
1804	920	Requesting publication of SIR prior to Examiner action	[]
1804	1,840*	Requesting publication of SIR after Examiner action	[]
1251	110	Extension for reply within first month	[]
1252	430	Extension for reply within second month	[430]
1253	950	Extension for reply within third month	[]
1254	1,480	Extension for reply within fourth month	[]
1255	2,010	Extension for reply within fifth month	[]
1401	330	Notice of Appeal	[]
1402	330	Filing a brief in support of an appeal	[]
1403	290	Request for Oral Hearing	[]
1451	1,510	Petition to institute a public use proceeding	[]
1452	110	Petition to revive -unavoldable	[]
1453	1,330	Petition to revive - unintentional	[]
1501	1,330	Utility issue fee (or reissue)	[]
1502	480	Design issue fee	[]
1503	640	Plant issue fee	[]
1460	130	Petitions to the Commissioner	[]
1807	50	Processing fee under 37 CFR 1.17(q)	[]
1806	180	Submission of Information Disclosure Statement	[]
8021	40	Recording each patent assignment per property (times number of properties)	[]
1809	770	Filing a submission after final rejection (37 CFR 1.129(a))	[]
1810	770	For each additional invention to be examined (37 CFR 1.129(b))	[]
1801	770	Request for Continued Examination (RCE)	[]
1802	900	Request for expedited examination of a design application	[]
1504	300	Publication fee for early, voluntary, or normal publication	[]
1505	300	Publication fee for republication	[]
1455	200	Filing application for patent term adjustment	[]
1456	400	Request for reinstatement of term reduced	[]
Other fee (specify):			
* Reduced by Basic Filing Fee Paid			SUBTOTAL
			\$430.00

SUBMITTED BY		Complete if applicable		
NAME AND REG. NUMBER	Vincent M. DeLuca, Reg. No. 32,408			
SIGNATURE	Vincent M. DeLuca	DATE	November 13, 2004	DEP ACCT USER ID
				02-2135